



SEQUENCE LISTING

<110> Unsicker, Klaus.
Krieglstein, Kerstin.

<120> Neuroprotective properties of GDF-15, a novel member of
the TGF- β superfamily

<130> MBP-007XX

<140> US 10/009,431

<141> 2002-2-13

<150> PCT/EP00/04445

<151> 2000-05-16

<150> EP 99 109 714.8

<151> 1999-05-17

<160> 7

<170> PatentIn Ver. 2.1

<210> 1

<211> 888

<212> DNA

<213> Homo sapiens

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cacgcgcaga	tcaagacgag	cctgcaccgc	ctgaagcccg	acacggtgcc	agcgccctgc	780
tgctgtcccg	ccagctacaa	tcccatggtg	ctcttacaaa	agaccgacac	cggggtgtcg	840
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<213> Homo sapiens

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gtgacctatg	gcctcggcgc	gtgcccagac	cagttccggg	cggcaaaccat	gcacgcgcag	180
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gccagctaca	atcccatggt	gctcttacaa	aagaccgaca	ccgggggtgtc	gtccagacc	300
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<212> PRT

<213> Homo sapiens

<400> 3

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20 25 30
Leu His Thr Glu Asp Ser Arg Phe Arg Glu Leu Arg Lys Arg Tyr Glu
35 40 45
Asp Leu Leu Thr Arg Leu Arg Ala Asn Gln Ser Trp Glu Asp Ser Asn
50 55 60
Thr Asp Leu Val Pro Ala Pro Ala Val Arg Ile Leu Thr Pro Glu Val
65 70 75 80
Arg Leu Gly Ser Gly Gly His Leu His Leu Arg Ile Ser Arg Ala Ala
85 90 95
Leu Pro Glu Gly Leu Pro Glu Ala Ser Arg Leu His Arg Ala Leu Phe
100 105 110
Arg Leu Ser Pro Thr Ala Ser Arg Ser Trp Asp Val Thr Arg Pro Leu
115 120 125
Arg Arg Gln Leu Ser Leu Ala Arg Pro Gln Ala Pro Ala Leu His Leu
130 135 140
Arg Leu Ser Pro Pro Pro Ser Gln Ser Asp Gln Leu Leu Ala Glu Ser
145 150 155 160
Ser Ser Ala Arg Pro Gln Leu Glu Leu His Leu Arg Pro Gln Ala Ala
165 170 175
Arg Gly Arg Arg Arg Ala Arg Ala Arg Asn Gly Asp His Cys Pro Leu
180 185 190
Gly Pro Gly Arg Cys Cys Arg Leu His Thr Val Arg Ala Ser Leu Glu
195 200 205
Asp Leu Gly Trp Ala Asp Trp Val Leu Ser Pro Arg Glu Val Gln Val
210 215 220
Thr Met Cys Ile Gly Ala Cys Pro Ser Gln Phe Arg Ala Ala Asn Met
225 230 235 240
His Ala Gln Ile Lys Thr Ser Leu His Arg Leu Lys Pro Asp Thr Val
245 250 255
Pro Ala Pro Cys Cys Val Pro Ala Ser Tyr Asn Pro Met Val Leu Ile
260 265 270
Gln Lys Thr Asp Thr Gly Val Ser Leu Gln Thr Tyr Asp Asp Leu Leu
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<210> 4

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<212> PRT

<213> Homo sapiens

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 35 40 45
 Pro Ser Gln Phe Arg Ala Ala Asn Met His Ala Gln Ile Lys Thr Ser
 50 55 60
 Leu His Arg Leu Lys Pro Asp Thr Val Pro Ala Pro Cys Cys Val Pro
 65 70 75 80
 Ala Ser Tyr Asn Pro Met Val Leu Ile Gln Lys Thr Asp Thr Gly Val
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 Ser Leu Gln Thr Tyr Asp Asp Leu Leu Ala Lys Asp Cys His Cys Ile
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<210> 6
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 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Peptide
 derived from the murine and rat C-terminal
 sequence of GDF-15

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 His Arg Thr Asp Ser Gly Val Ser Leu Gln Thr Tyr Asp Asp Leu
 1 5 10 15

<210> 7
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 <212> PRT
 <213> Homo sapiens

<220>
 <221> PEPTIDE
 <222> (1)..(15)
 <223> Peptide corresponds to amino acids 273 to 287 of
 human pre-pro-mature GDF-15

<400> 7

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